

Serial Nr.: 10/603,423
Art Unit: 1711

03165-UPS

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A crosslinkable UV absorbing agent used for making UV-absorbing contact lenses is prepared by the following steps which comprise:
 - (a) preparing a mixture comprising a UV absorbing compound (A) with multiple pendant hydroxyl groups and an unsaturated monoglycidyl compound (B) with both reactive glycidyl and vinyl groups;
 - (b) mixing a base catalyst (C) with the mixture of step (a);
 - (c) initiating a synthesis reaction of the crosslinkable UV absorbing agent under heating; and
 - (d) recovering the crosslinkable UV absorbing agent after the synthesis reaction is completed;

wherein the compound (B) is at least 140 parts based on 100 parts of said compound (A).
2. (Currently Amended) The crosslinkable UV absorbing agent according to claim 1, wherein the compound (B) is ~~[[100]]~~ 140 to 300 parts based on 100 parts of said compound (A).
3. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the compound (B) is 140 to 250 parts based on 100 parts of said compound (A).
4. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the base catalyst (C) is 1 to 6% based on the weight of said compound (B).

Serial Nr.: 10/603,423

03165-UPS

Art Unit: 1711

5. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the heating temperature in step (c) is 50 to 100°C.
6. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the compound (A) is selected from a group consisting of triazines, benzotriazoles, and benzophenones.
7. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the compound (A) is selected from a group consisting of 5'-methyl, 3',5'-ditertbutyl, 5'-tertbutyl, 5'-(1,1,3,3-tetramethylbutyl), 5'-ditertbutyl, 3'-secbutyl-5'-tertbutyl, 4'-octoxy, 3',5'-ditertamyl, and 3',5'-bis(α,α -dimethylbenzyl) derivatives of 2-(2'-hydroxyphenyl)benzotriazole; 2-(2,4-dihydroxyphenyl), 2-(2,5-dihydroxyphenyl), 2-(2,4-dihydroxy-5-chlorophenyl), 2-(2,4-dihydroxy-5-carboxyphenyl), 2-(2,4-dihydroxy-5-carboxymethylphenyl), and 2-(2-hydroxy-5-aminophenyl) derivatives of benzotriazole; and 2,4-dihydroxy, 2,2'-dihydroxy, 2,2',4-trihydroxy, 2,2',4,4'-tetrahydroxy, 2,2'-dihydroxy-4,4'-dimethoxy, 4-amino-2-hydroxy-4-methoxy, 4-amino-2,2'-dihydroxy-4-methoxy, 4-amino-2,2'-dihydroxy, and 4-amino-2,2',4'-trihydroxy derivatives of benzophenone.
8. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the compound (A) is 2,2',4,4'-tetrahydroxy benzophenone.
9. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the compound (B) is selected from a group consisting of glycidyl acrylate, glycidyl methacrylate, and unsaturated monoglycidyl acrylate.

Serial Nr.: 10/603,423
Art Unit: 1711

03165-UPS

10. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the compound (B) is glycidyl methacrylate.
11. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the base catalyst (C) is selected from a group consisting of tertiary amines and inorganic bases.
12. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the base catalyst (C) is selected from a group consisting of methyl triethyl ammonium chloride, benzyl trimethyl ammonium bromide, benzyl trimethyl ammonium hydroxide, benzyl trimethyl ammonium iodide, benzyl trimethyl ammonium chloride, benzyl triethyl ammonium chloride, benzyl triethyl ammonium bromide, triphenyl phosphine, triphenyl stibine, chromium octanoate, zirconium octanoate, tetramethyl ammonium chloride, tetrabutyl ammonium iodide, tetrabutyl phosphonium bromide, alkaline metal hydroxide, and salt of the alkaline metal.
13. (Original) The crosslinkable UV absorbing agent according to claim 1, wherein the base catalyst (C) is benzyl triethyl ammonium chloride.
14. (Original) The crosslinkable UV absorbing agent according to claim 1, further comprising a step of adding a polymerization inhibitor before initiating the synthesis reaction.
15. (Original) The crosslinkable UV absorbing agent according to claim 14, wherein the polymerization inhibitor is 0.02 to 3% based on the weight of said compound (B).

Serial Nr.: 10/603,423
Art Unit: 1711

03165-UPS

16. (Original) The crosslinkable UV absorbing agent to claim 14, wherein the polymerization inhibitor is selected from a group consisting of hydroquinone, methyl hydroquinone, hydroquinone monomethyl ether, catechol, and pyrogallol.
17. (Original) A UV absorbing lens comprising a crosslinkable UV absorbing agent of claim 1.